

We claim:

1. A facility management platform for providing fault management in a network for a plurality of downstream devices located in the cable network, the network further having a plurality of low power amplifiers disposed in said network, the facility management platform comprising:

a controller;

a display;

said controller for viewing status of said plurality of downstream devices and for determining whether power to the said downstream devices has been lost;

said display for displaying a geographic map of said cable network showing said plurality of downstream devices and graphically illustrating when said controller has determined that power to the said downstream devices has been lost.

2. The facility management platform of claim 1, wherein said plurality of downstream devices includes at least one of a integrated residential gateway, cable tap, cable node, cable hub, cable settop terminal, and cable modem.

3. The facility management platform of claim 1, said controller for further determining whether said low power amplifier disposed in said network has been actuated.

4. The facility management platform of claim 3, said controller for separately addressing said plurality of low power amplifiers to individually test each of said amplifiers.

5. The facility management platform of claim 5, said test for determining whether an actual power loss has occurred at said downstream devices.

6. The facility management platform of claim 1, said controller for automatically notifying one of a power company and maintenance personnel when said controller determines that power said down stream devices has been lost.

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1        7.        The facility management platform of claim 1, said display being a touch screen display  
2        for viewing and inputting additional information related to said plurality of downstream  
3        devices.

1        8.        The facility management platform of claim 1, said controller for further :  
2        determining which downstream devices are currently on lifeline support; and  
3        graphically illustrating said downstream devices currently on lifeline support on said  
4        display.

1        9.        The facility management platform of claim 1, said controller for:  
2        periodically polling said plurality of downstream devices;  
3        determining which downstream devices are currently on lifeline support; and  
4        graphically illustrating said downstream devices currently on lifeline support on said  
5        display.

1        10.       A system for fault management and control in a cable network comprising:  
2        a facility management platform coupled to said cable network;  
3        a plurality of downstream devices disposed in said cable network for providing cable  
4        services to subscribers;  
5        a plurality of individually addressable low power amplifiers disposed in said cable  
6        network for providing lifeline support;  
7        a cabling facility connecting said facility management platform to said plurality of  
8        downstream devices and for providing power and lifeline support to said downstream devices  
9        for servicing said subscribers;  
10        said facility management platform for monitoring said plurality of down stream  
11        devices and determining which downstream has lost power, appropriately notifying an  
12        associated power company and testing said low power amplifiers to isolate problems related  
13        to power loss.

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1           11.    A method of graphically illustrating status of downstream devices at a facility  
2           management platform of a network comprising the steps of:  
3                   periodically polling said plurality of downstream devices;  
4                   determining which downstream devices are currently on lifeline support; and  
5                   graphically illustrating said downstream devices currently on lifeline support on said  
6           display.

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